



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
DOI Southeast Climate Science Center
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Raleigh, North Carolina 27695-7617

NC STATE UNIVERSITY

Department of the Interior Southeast Climate Science Center Research Grants Awarded

The Department of Interior Southeast Climate Science Center (SECSC) is pleased to announce the award of 2012 climate science research funds that are supportive of the science goals and objectives described in the SECSC Science Plan. Successful proposals were reviewed through a rigorous and standardized two-stage process. Thirty-four brief statements of interest were reviewed in a pre-proposal process and thirteen full proposals were reviewed by a Review Team that included scientists from the Landscape Conservation Cooperatives within the SECSC boundaries, as well as scientists from the Fish and Wildlife Service, NOAA, the Forest Service, the National Park Service, and the U.S. Geological Survey. The nine successful proposals include scientists from North Carolina State University (NCSU), the host institution of the SECSC, and from six USGS science centers or cooperative research units.

For additional information about the SECSC and updates on our research and other activities, please visit the NCSU/SECSC website at <http://www.theglobalchangeforum.org/se-csc/>. You may contact SECSC Director Gerard McMahon (gmcMahon@usgs.gov, 919-515-2229) or the lead PI from the NCSU team, Damian Shea (d_shea@ncsu.edu, 919-513-3065), for information regarding science priorities for 2013.

New projects

Synthesis of climate model downscaling products for the southeastern United States

Ryan P. Boyles, NCSU, FY12 Funding: \$45,000, Completion: September 2013 (ryan_boyles@ncsu.edu)

Hydrological modeling for flow-ecology science in the Southeastern U.S.

Jonathan Kennen, USGS New Jersey Water Science Center, FY12 Funding: \$45,000, Completion: July 2013 (jgkennan@usgs.gov)

A Handbook for Resource Managers to Understand and Utilize Sea-Level Rise and Coastal Wetland Models for Ecosystem Management under Future Conditions

Thomas W. Doyle, USGS National Wetlands Research Center (new project) FY12 Funding: \$45,000 Completion: June 2013 (doylet@usgs.gov)

Assessing climate-sensitive ecosystems in the southeastern U.S.

Jaime Collazo, USGS NC Cooperative Fish and Wildlife and William J. Wolfe, USGS Tennessee Water Science Center, FY12 Funding: \$100,000, Completion: September 2013 (jaime_collazo@ncsu.edu; wjwolfe@usgs.gov)

Communicating and Using Uncertain Scientific Information in the Production of ‘Actionable Science’

Brian Irwin, USGS Georgia Cooperative Fish and Wildlife Research Unit, FY12 Funding: \$39,926
Completion: June 2013 (bjirwin@usgs.gov)

Connectivity for Climate Change in the Southeastern US

Nick Haddad, NCSU, FY12 Funding: \$150,000, with anticipated funding level in FY13 of \$150,000,
Completion: September 2014 (nick_haddad@ncsu.edu)

Ecological implications of mangrove forest migration in the southeastern U.S.

Michael Osland, USGS National Wetlands Research Center, FY12 Funding: \$124,284, with anticipated funding level in FY13 of \$147,792, Completion: September 2014 (mosland@usgs.gov)

Developing long-term urbanization scenarios for the Caribbean LCC as part of the Southeast Regional Assessment Project

Jaime Collazo, USGS North Carolina Cooperative Fish and Wildlife Research Unit, FY12 Funding: \$39,000, Completion: January 2014 (jaime_collazo@ncsu.edu)

Assessment of terrestrial and aquatic monitoring programs in the Southeastern United States

Damian Shea and Cari Furiness, NCSU, FY12 Funding: \$24,794, Completion: September 2013
(d_shea@ncsu.edu)

Carry-over projects

Integrating the Effects of Global and Local Climate Change on Wildlife in North America

Rob Dunn (NCSU, Biology), Steve Frank (NCSU, Entomology), Nick Haddad (NCSU, Biology), Nadia Singh (NCSU, Genetics), and other researchers, FY12 Funding: \$85,000. Completion: July 2014

Predicting vulnerability of Southeastern sea turtle nesting beaches to climate change

Kristen M. Hart, USGS Southeast Ecological Science Center, FY12 Funding: \$150,000, Completion: September 2012.

Impact of Ocean Warming and Acidification on Growth of Reef-building Corals

Ilsa B. Kuffner, USGS St. Petersburg Coastal and Marine Geology Science Center, FY12 Funding: \$150,000, Completion Date: January 2013

Developing long-term urbanization scenarios for the Appalachian and Gulf Coastal Plain and Ozarks LCCs as part of the Southeast Regional Assessment Project

Jaime Collazo, USGS North Carolina Cooperative Fish and Wildlife Research Unit, FY12 Funding: \$45,500, Completion: January 2013

Southeast Regional Assessment Project (SERAP)

Brian Hughes, Georgia Water Science Center and various investigators, FY12 Funding: \$153,500, Completion: September 2014.